

AMENDMENTS TO THE CLAIMS

1-2. (Cancelled)

3. (Currently Amended) An open flame resistant mattress comprising:

- a) a core comprising at least one of:
 - a plurality of springs;
 - a foam material;
 - a water bladder;
 - a batting;
 - an air bladder; and
 - a hairblock; and
- b) an outermost decorative fabric layer of a ticking layer at least partially enclosing said core;
- c) a fire barrier textile at least partially enclosing said core, and disposed between said core and said outermost decorative fabric layer of said ticking layer; and
- d) wherein said fire barrier textile comprises at least two distinct fabric layers:
a fire barrier fabric layer, wherein said fire barrier fabric layer is woven or knitted, and a weight of said fire barrier fabric layer is in a range from 0.25 oz. to 8 oz. per square yard of the fire barrier textile

a thermally insulating fabric layer attached to said fire barrier fabric layer via needle punching so that a portion of said thermally insulating layer is disposed in said fire barrier fabric layer; and wherein said fire barrier fabric layer and said thermally insulating fabric layer independently comprise at least one char-forming flame-retardant fiber selected from the group comprising fiberglass, modacrylic fibers, para-aramid fibers, meta-aramid fibers, flame retardant viscose fibers, flame retardant rayon fibers, flame retardant polyester, and blends thereof.

4-21. (Cancelled)

22. (Previously Presented) An open flame resistant mattress according to claim 3, wherein said at least one char-forming flame-retardant fiber is selected from para-aramid fibers, modacrylic fibers, flame-retardant viscose fibers, fiberglass and blends thereof.

23. **(Previously Presented)** An open flame resistant mattress according to claim 3, wherein said at least one char-forming flame-retardant fiber comprises para-aramid fibers.

24. **(Currently Amended)** An open flame resistant mattress according to claim 3, wherein said at least one char-forming flame-retardant fiber comprises para-aramid fiber, modacrylic fiber, flame-retardant viscose fiber, or and a combinationblends thereof.

25. **(Previously Presented)** An open flame resistant mattress according to claim 3, wherein said at least one char-forming flame-retardant fiber is selected from para-aramid fibers, fiberglass and blends thereof.

26. **(Previously Presented)** An open flame resistant mattress according to claim 3, wherein said thermally insulating fabric layer comprises a blend of flame-retardant viscose and modacrylic fibers.

27. **(Cancelled)**

28. **(Currently Amended)** An open flame resistant article comprising:

- a) a filling material comprising at least one of:
 - a plurality of springs;
 - a foam material;
 - a water bladder;
 - a batting;
 - an air bladder; and
 - a hairblock; and
- b) an outermost decorative fabric layer at least partially enclosing said filling material;
- c) a fire barrier textile at least partially enclosing said filling material, and disposed between said filling material and said outermost decorative fabric layer; and
- d) wherein said fire barrier textile comprises at least two distinct fabric layers:
 - a fire barrier fabric layer, wherein said fire barrier fabric layer is woven or knitted, and a weight of said fire barrier fabric layer is in a range from 0.25 oz. to 8 oz. per square yard of the fire barrier textile,
a thermally insulating fabric layer attached to said fire barrier fabric layer

via needle punching so that a portion of said thermally insulating layer is disposed in said fire barrier fabric layer; and wherein said fire barrier fabric layer and said thermally insulating fabric layer independently comprise at least one char-forming flame-retardant fiber selected from the group comprising fiberglass, modacrylic fibers, para-aramid fibers, meta-aramid fibers, flame retardant viscose fibers, flame retardant rayon fibers, flame retardant polyester, and blends thereof.

29. **(Previously Presented)** An open flame resistant article according to claim 28, wherein said article is selected from mattresses, mattress foundations, upholstered furniture, transportation seating systems, health care seating systems and fireprotective apparel.

30. **(Previously Presented)** An open flame resistant article according to claim 28, wherein said article is a mattress or mattress foundation.

31.-33. **(Cancelled)**

34. **(Previously Presented)** An open flame resistant mattress according to claim 3, wherein at least one of said fire barrier fabric layer and said thermally insulating fabric layer comprises at least one structure-providing char-forming flame-retardant fiber.

35.-38. **(Cancelled)**

39. **(Previously Presented)** An open flame resistant mattress according to claim 3, wherein said mattress meets the smoldering resistance standard as required by the Cigarette Ignition Standard 16 CFR Part 1632.

40. **(Previously Presented)** The open flame resistant mattress according to claim 3, wherein said mattress, when tested in accordance with California TB 603, has a maximum heat release of less than 200 kW and a total energy release of less than 25 MJ in the first ten minutes of the test.

41. **(Previously Presented)** The open flame resistant article according to claim 28, wherein said article meets the standard of California TB 117.

42. **(Previously Presented)** The open flame resistant mattress according to claim 3, wherein

said fire barrier fabric layer comprises at least one charforming flame-retardant fiber and said thermally insulating fabric layer comprises at least one charforming flame-retardant fiber.

43.-44. (Cancelled)

45. (Previously Presented) The open flame resistant article according to claim 28, wherein said fire barrier fabric layer comprises at least one charforming flame-retardant fiber and said thermally insulating fabric layer comprises at least one charforming flame-retardant fiber.

46.-47. (Cancelled)

48. (Previously Presented) An open flame resistant mattress set comprising:
a mattress according to claim 3; and
a mattress foundation.

49. (Previously Presented) The open flame resistant mattress set according to claim 48, wherein said mattress foundation is at least partially enclosed by said fire barrier textile.

50. (New) An open flame mattress according to claim 3, wherein said fire barrier fabric layer is woven and comprises fiberglass.

51. (New) An open flame mattress according to claim 3, wherein said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, and blends thereof.

52. (New) An open flame mattress according to claim 3, wherein said fire barrier fabric layer is woven and comprises fiberglass, and said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, and blends thereof.

53. (New) An open flame mattress according to claim 3, wherein said fire barrier fabric layer is knitted and comprises para-aramid, modacrylic, and combinations thereof.

54. (New) An open flame mattress according to claim 3, wherein said thermallyinsulating layer comprises flame retardant rayon.

55. (New) An open flame mattress according to claim 3, wherein said fire barrier fabric layer is knitted and comprises para-aramid, modacrylic, and combinations thereof, and said thermally insulating layer comprises flame retardant rayon.

56. (New) An open flame mattress according to claim 3, wherein said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, flame retardant rayon, and blends thereof.

57. (New) An open flame mattress according to claim 3, wherein said fire barrier fabric layer is woven and comprises fiberglass, and said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, flame retardant rayon, and blends thereof

58. (New) An open flame mattress according to claim 3, wherein said fire barrier fabric layer is knitted and comprises fiberglass, and said thermally insulating layer comprises modacrylic fibers, flame retardant rayon, flame retardant polyester fibers, and blends thereof.

59. (New) An open flame mattress according to claim 28, wherein said fire barrier fabric layer is woven and comprises fiberglass.

60. (New) An open flame mattress according to claim 28, wherein said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, and blends thereof.

61. (New) An open flame mattress according to claim 28, wherein said fire barrier fabric layer is woven and comprises fiberglass, and said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, and blends thereof.

62. (New) An open flame mattress according to claim 28, wherein said fire barrier fabric layer is knitted and comprises para-aramid, modacrylic, and combinations thereof.

63. (New) An open flame mattress according to claim 28, wherein said thermally insulating layer comprises flame retardant rayon.

64. (New) An open flame mattress according to claim 28, wherein said fire barrier fabric layer is knitted and comprises para-aramid, modacrylic, and combinations thereof, and said thermally insulating layer comprises flame retardant rayon.

65. (New) An open flame mattress according to claim 28, wherein said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, flame retardant rayon, and blends thereof.

66. (New) An open flame mattress according to claim 28, wherein said fire barrier fabric layer is woven and comprises fiberglass, and said thermally insulating layer comprises modacrylic fibers, flame retardant polyester fibers, flame retardant rayon, and blends thereof.

67. (New) An open flame mattress according to claim 28, wherein said fire barrier fabric layer is knitted and comprises fiberglass, and said thermally insulating layer comprises modacrylic fibers, flame retardant rayon, flame retardant polyester fibers, and blends thereof.